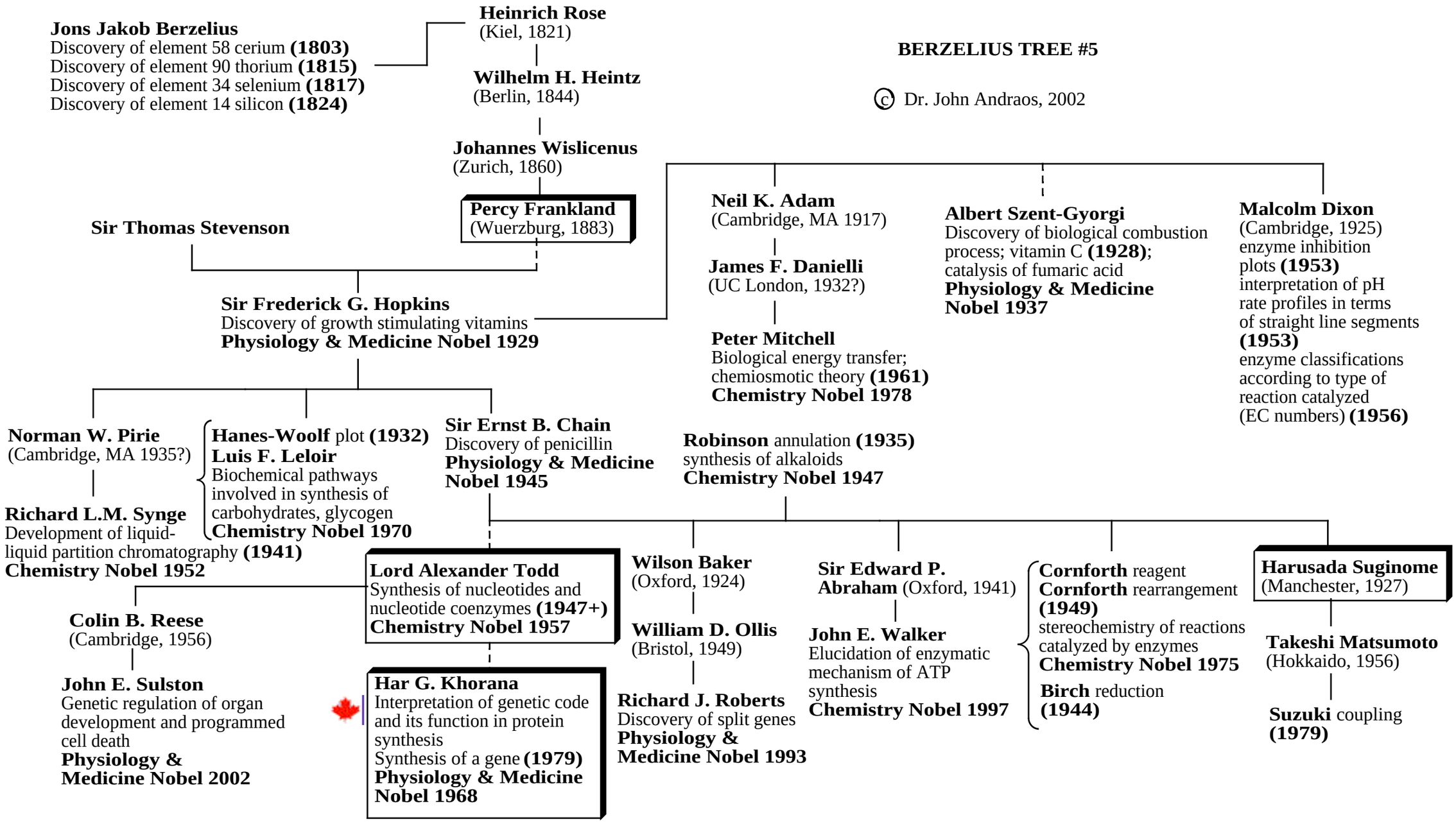
BERZELIUS TREE #5
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Jons Jakob Berzelius
Discovery of element 58 cerium (1803)
Discovery of element 90 thorium (1815)
Discovery of element 34 selenium (1817)
Discovery of element 14 silicon (1824)
Heinrich Rose
(Kiel, 1821)
Wilhelm H. Heintz
(Berlin, 1844)
Johannes Wislicenus
(Zurich, 1860)
Percy Frankland
(Wuerzburg, 1883)
Sir Thomas Stevenson
Sir Frederick G. Hopkins
Discovery of growth stimulating vitamins
Physiology & Medicine Nobel 1929
Neil K. Adam
(Cambridge, MA 1917)
James F. Danielli
(UC London, 1932?)
Peter Mitchell
Biological energy transfer; chemiosmotic theory (1961)
Chemistry Nobel 1978
Albert Szent-Gyorgi
Discovery of biological combustion process; vitamin C (1928); catalysis of fumaric acid
Physiology & Medicine Nobel 1937
Malcolm Dixon
(Cambridge, 1925)
enzyme inhibition plots (1953)
interpretation of pH rate profiles in terms of straight line segments (1953)
enzyme classifications according to type of reaction catalyzed (EC numbers) (1956)
Norman W. Pirie
(Cambridge, MA 1935?)
Richard L.M. Synge
Development of liquid-liquid partition chromatography (1941)
Chemistry Nobel 1952
Hanes-Woolf plot (1932)
Luis F. Leloir
Biochemical pathways involved in synthesis of carbohydrates, glycogen
Chemistry Nobel 1970
Sir Ernst B. Chain
Discovery of penicillin
Physiology & Medicine Nobel 1945
Robinson annulation (1935)
synthesis of alkaloids
Chemistry Nobel 1947
Lord Alexander Todd
Synthesis of nucleotides and nucleotide coenzymes (1947+)
Chemistry Nobel 1957
Colin B. Reese
(Cambridge, 1956)
John E. Sulston
Genetic regulation of organ development and programmed cell death
Physiology & Medicine Nobel 2002
Har G. Khorana
Interpretation of genetic code and its function in protein synthesis
Synthesis of a gene (1979)
Physiology & Medicine Nobel 1968
Wilson Baker
(Oxford, 1924)
William D. Ollis
(Bristol, 1949)
Richard J. Roberts
Discovery of split genes
Physiology & Medicine Nobel 1993
Sir Edward P. Abraham (Oxford, 1941)
John E. Walker
Elucidation of enzymatic mechanism of ATP synthesis
Chemistry Nobel 1997
Cornforth reagent
Cornforth rearrangement (1949)
stereochemistry of reactions catalyzed by enzymes
Chemistry Nobel 1975
Birch reduction (1944)
Harusada Suginome
(Manchester, 1927)
Takeshi Matsumoto
(Hokkaido, 1956)
Suzuki coupling (1979)